

Application No. 10/633,375
Amendment "E" dated March 23, 2009
Reply to Final Office Action mailed December 23, 2008

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AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method in a computing environment for intra-package delta compression, the method comprising:

receiving information corresponding to a plurality of source files;

for each of the plurality of source files, generating a list of prospective delta inputs, the list of prospective delta inputs including an entry for each other unique source file in the plurality of source files;

an iterator creating a delta for each prospective delta input ~~for each~~ within each file's list of prospective delta inputs;

based on the deltas created for each prospective delta input within each file's list of prospective delta inputs, processing the source files into a base file for a package based upon a minimal package size;

generating a file-specific delta from the base file and a source file;

calculating signatures for each of the plurality of source files;

generating a manifest file by creating a linked list of the plurality of source files, the manifest file comprising instructions needed to perform an extraction, the instructions being particularly ordered in the manifest file and the ordering of the instructions corresponding to an ordering of the linked list, and the manifest file comprising a delta section, a copy section, a verify section, and a delete section;

saving in the manifest file the file name and signatures for each source file to be verified; and

packaging the manifest file, base file and the file-specific delta into a self-contained package.

2. (Previously Presented) The method of claim 1 further comprising, packaging data for directing a client extractor to synthesize a target file corresponding to a source file from the base file and the delta.

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3. (Previously Presented) The method of claim 1 further comprising, setting at least one file name by which a client extractor may synthesize a target file corresponding to a source file from the base file and the delta.

4. (Previously Presented) The method of claim 1 wherein at least two of the plurality of source files are not different versions of the same file.

5. (Previously Presented) The method of claim 1 wherein at least two of the plurality of source files are not different language translations of the same file.

6. (Previously Presented) The method of claim 1 wherein at least two of the plurality of source files are different language translations of the same file.

7. (Cancelled)

8. (Currently Amended) The method of claim 1 further comprising:
constructing a directed graph;
adding each source file in the plurality of files as a vertex in the graph,
adding each prospective delta as an edge of the graph,
giving weight to each edge of the graph corresponding to the size of the associated prospective delta;
adding a null vertex to the graph;
adding edges from the null vertex to each other vertex of the graph,
adding a weight to each edge of the null vertex equal to the size of the compressed file corresponding to the each other vertex; and
selecting a first source file based on information in the directed graph.

9. (Previously Presented) The method of claim 8 wherein selecting the first source file comprises applying a minimum spanning tree or like algorithm to the directed graph.

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10. (Cancelled)

11. (Previously Presented) The method of claim 1 further comprising, providing the package to a recipient, the recipient applying the delta to a first source file to synthesize a second source file.

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12. (Previously Presented) A computer-readable storage medium having computer-executable instructions for performing the method of claim 1.

13 - 34. (Cancelled)